SEQUENCE LISTING

<110> Abbott Laboratories
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Kratochvil, Jon D.
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Russell, John C.
Stroupe, Stephen D.

<120> Reagents And Method Useful For Detecting Diseases Of The Breast

<130> 5995.US.P2

<140> 09/516,444
<141> 2000-02-29

<150> US 08/962,094
<151> 1997-10-31

<150> US 08/742,067
<151> 1996-10-31

<160> 39

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 201
<212> DNA
<213> Artificial Sequence

<220>
<223> EST Clone 1662885

<221> misc_feature
<222> (26)...(26)
<223> n = a or g or c or t/u, unknown or other at position 26

<221> misc_feature
<222> (98)...(98)
<223> n = a or g or c or t/u, unknown or other at position 98

<221> misc_feature
<222> (133)...(133)
<223> n = a or g or c or t/u, unknown or other at

position 133

<221> misc_feature
<222> (145)...(145)
<223> n = a or g or c or t/u, unknown or other at
position 145

<221> misc_feature
<222> (183)...(183)
<223> n = a or g or c or t/u, unknown or other at
position 183

<400> 1
ctcttaggct ttgaagcatt tttgtntgtg ctccctgatc ttcatgtcac caccatgaag 60
ttcttagcag tcctggtact cttgggagtt tccatctntc tggtctctgc ccagaatccg 120
acaacagctg ctncagctga cacgnatcca gctactggtc ctgctgatga tgaagcccct 180
gangctgaaa ccactgctgc t 201

<210> 2
<211> 308
<212> DNA
<213> Homo sapiens

<400> 2
taggctttga agcatttttg tctgtgctcc ctgatcttca ggtcaccacc atgaagttct 60
tagcagtcct ggtactcttg ggagtttcca tctttctggt ctctgcccag aatccgacaa 120
cagctgctcc agctgacacg tatccagcta ctggtcctgc tgatgatgaa gcccctgatg 180
ctgaaaccac tgctgctgca accactgcga ccactgctgc tcctaccact gcaaccaccg 240
ctgcttctac cactgctcgt aaagacattc cagttttacc caaatgggtt ggggatcttc 300
cgaatggt 308

<210> 3
<211> 292
<212> DNA
<213> Artificial Sequence

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<221> misc_feature
<222> (236)...(236)
<223> n = a or g or c or t/u, unknown or other at
position 236

<221> misc_feature
<222> (259)...(259)
<223> n = a or g or c or t/u, unknown or other at
position 259

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gcatttttgt ctgtgctccc tgatcttcat gtcaccacca tgaagttctt agcagtcctg 60
gtactcttgg gagtttccat ctttctggtc tctgcccaga atccgacaac agctgctcca 120
gctgacacgt atccagctac tggtcctgct gatgatgaag cccctgatgc tgaaaccact 180
gctgctgcaa ccactgcgac cactgctgct cctaccactg caaccaccgc tgcttntacc 240
actgctcgta aagacattnc agttttaccc aaatgggttg gggatctccc ga 292

<210> 4

<211> 197
<212> DNA
<213> Homo sapiens

<400> 4
gttttaccca aatgggttgg ggatctcccg aatggtagag tgtgtccctg agatggaatc 60
agcttgagtc ttctgcaatt ggtcacaact attcatgctt cctgtgattt catccaacta 120
cttaccttgc ctacgatatc ccctttatct ctaatcagtt tattttcttt caaataaaaa 180
ataactatga gcaacat 197

<210> 5
<211> 472
<212> DNA
<213> Homo sapiens

<400> 5
ctcttaggct ttgaagcatt tttgtctgtg ctccctgatc ttcatgtcac caccatgaag 60
ttcttagcag tcctggtact cttgggagtt tccatctttc tggtctctgc ccagaatccg 120
acaacagctg ctccagctga cacgtatcca gctactggtc ctgctgatga tgaagccccc 180
gatgctgaaa ccactgctgc tgcaaccact gcgaccactg ctgctcctac cactgcaacc 240
accgctgctt ctaccactgc tcgtaaagac attccagttt tacccaaatg ggttggggat 300
ctcccgaatg gtagagtgtg tccctgagat ggaatcagct tgagtcttct gcaattggtc 360
acaactattc atgcttcctg tgatttcatc caactactta ccttgcctac gatatccccc 420
ttatctctaa tcagtttatt ttctttcaaa taaaaaataa ctatgagcaa ca 472

<210> 6
<211> 473
<212> DNA
<213> Homo sapiens

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ttcttagcag tcctggtact cttgggagtt tccatctttc tggtctctgc ccagaatccg 120
acaacagctg ctccagctga cacgtatcca gctactggtc ctgctgatga tgaagccccc 180
gatgctgaaa ccactgctgc tgcaaccact gcgaccactg ctgctcctac cactgcaacc 240
accgctgctt ctaccactgc tcgtaaagac attccagttt tacccaaatg ggttggggat 300
ctcccgaatg gtagagtgtg tccctgagat ggaatcagct tgagtcttct gcaattggtc 360
acaactattc atgcttcctg tgatttcatc caactactta ccttgcctac gatatccccc 420
ttatctctaa tcagtttatt ttctttcaaa taaaaaataa ctatgagcaa cat 473

<210> 7
<211> 68
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<213> Artificial Sequence

<220>
<223> Restriction site

<400> 7
agctcggaat tccgagcttg gatcctctag agcggccgcc gactagtgag ctcgtcgacc 60
cgggaatt 68

<210> 8
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Restriction site

<400> 8
aattaattcc cgggtcgacg agctcactag tcggcggccg ctctagagga tccaagctcg 60
gaattccg 68

<210> 9
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Universal Primer

<400> 9
agcggataac aatttcacac agga 24

<210> 10
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Universal Primer

<400> 10
tgtaaaacga cggccagt 18

<210> 11
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 11
actgctcgta aagacattcc 20

<210> 12
<211> 19
<212> DNA
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<220>
<223> Primer

<400> 12
gggacacact ctaccattc 19

<210> 13
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Sense Primer

<400> 13
aagcccctga tgctgaaacc 20

<210> 14
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Primer

<400> 14
tgcagaagac tcaagctgat tcc 23

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Target-Specific Forward Primer

<400> 15
aagcccctga tgctgaaacc 20

<210> 16
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Target-Specific Reverse Primer

<400> 16
tgcagaagac tcaagctgat tcc 23

<210> 17
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Probe

<400> 17
gaccactgct gctcc 15

<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Sense Primer

<400> 18
actgctcgta aagacattcc 20

<210> 19
<211> 19
<212> DNA
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<220>
<223> Antisense Primer

<400> 19
gggacacact ctaccattc 19

<210> 20
<211> 90
<212> PRT
<213> Homo sapiens

<400> 20
Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu
 1   5   10   15
Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro
            20   25   30
Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala
        35   40   45
Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala
    50   55   60
Ala Ser Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val
65   70   75   80
Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
                85   90

<210> 21
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 21
Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro Ala Thr
 1   5   10   15
Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala Ala Ala
            20   25   30
Thr Thr Ala Thr Thr Ala Ala
        35

<210> 22
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 22
Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala Ala Ser
 1   5   10   15
Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp
            20   25   30
Leu Pro Asn Gly Arg Val Cys
        35

<210> 23
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 23
Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp Leu Pro
 1   5   10   15
Asn Gly Arg Val Cys
            20

<210> 24
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 24
Ala Ala Pro Ala Asp Thr Tyr Pro Ala Thr Gly Pro Ala Asp Asp Glu
 1   5   10   15
Ala Pro Asp Ala Glu
            20

<210> 25
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 25
Ala Gln Asn Pro Thr Thr Ala Ala Cys
 1   5

<210> 26
<211> 23
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 26
Cys Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp Leu
 1   5   10   15
Pro Asn Gly Arg Val Cys Pro
            20

<210> 27
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 27
Gly Gly Trp Val Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
 1   5   10

<210> 28
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 28
Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Cys
 1   5   10

<210> 29
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 29
Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro Ala Thr
 1   5   10   15
Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala Ala Ala
            20   25   30
Thr Thr Ala Thr Thr Ala Ala Cys
        35   40

<210> 30
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 30
Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Cys
 1   5   10

<210> 31
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 31
Asn Pro Thr Thr Ala Ala Pro Ala Asp Cys
 1   5   10

<210> 32
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 32
Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Cys
 1   5   10

<210> 33
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 33
Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val Gly Asp Leu Pro
 1   5   10   15
Asn Gly Arg Val Cys Pro
            20

<210> 34
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Affinity Purification System Recognition Site

<400> 34
Ala Ser Pro Thr Tyr Arg Leu Tyr Ser Ala Ser Pro Ala Ser Pro Ala
 1   5   10   15
Ser Pro Ala Ser Pro Leu Tyr Ser
            20

<210> 35
<211> 57
<212> PRT
<213> Artificial Sequence

<220>
<223> Affinity Purification System Recognition Site

<400> 35
Gly Leu Gly Leu Asn Leu Tyr Ser Leu Glu Ile Leu Glu Ser Glu Arg
 1   5   10   15
Gly Leu Gly Leu Ala Ser Pro Leu Glu Ala Ser Asn Met Glu Thr His
            20   25   30
Ile Ser Thr His Arg Gly Leu His Ile Ser His Ile Ser His Ile Ser
        35   40   45
His Ile Ser His Ile Ser His Ile Ser
    50   55

<210> 36
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> BamH I site

<400> 36
tccatctttc tggtcggatc ccagaatccg acaaca   36

<210> 37
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Pme I site

<400> 37
gagcggccgc atcgtttaaa ctgacgatct gcctc   35

<210> 38
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> XbaI site plus 12 nucleotide sequences that encode the four amino acid sequences

<400> 38
Ser Asn Glu Leu
1

<210> 39
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Antisense primer incorporates a sequence encoding the eight amino acids just before the stop codons

<400> 39
Asp Tyr Lys Asp Asp Asp Asp Lys
1 5